

Dimension Education . . .

Technological Changes
Challenge To TeachingBy EDWIN HOAG
Tulane University

When Thomas Edison invented the electric light there were those who were dead set against such a gadget. The gas companies even took Edison to court to stop him from lighting up the streets of New York.

When the American railroad industry was born and began crawling across the country, the turnpike and stagecoach companies put up a howl, and many citizens as well rose in opposition to the "iron horse."

When Otis first exhibited his passenger elevator at a fair, few spectators believed the inventor seriously thought anyone would get in the thing. Several years went by before a New York department store gave Otis the opportunity to actually install one.

And when a new vehicle called the automobile appeared, bicycle and buggy fanciers organized to try to keep the "smoky, noisy horseless carriages" off the roads.

Resistance to change, to advancement of almost any kind, is historic, found in every period of time and in every level of society. The fellow who rocked the boat has never won any popularity contests.

But nowadays change, and particularly technological change, is the order of the day, whether anyone likes it or not. And in the opinion of many experts Americans must be quicker to accept that fact.

"I believe Americans will have to be quicker to adapt to technological change if our society is to survive," Dr. John T. Dunlop, professor of economics at Harvard University, said recently.

"I think our society will have to be reorganized from top to bottom on the premise that changes will come faster and in increasing numbers as time goes on.

"From the level of the family in the home to the national government in Washington, we must be faster on our feet in adapting to change."

Dunlop, principal speaker at a meeting on automation and technological change sponsored by Tulane University, said Americans must not just take on an attitude of resigning themselves to change, but must gear themselves specifically for it, must relish it.

Those who will not or cannot adapt to change can become as obsolete as any piece of out-dated machinery.

This matter of technological change, or automation, or whatever label you attach to it is of tremendous significance to education in several ways.

The first, of course, is the problem of re-educating — re-training those persons whose jobs can now be done by computers, or industrial machines or who were employed in industries which have themselves been killed off by change.

The second has to do with the young people in colleges and universities now, the people soon to be entering a world that is not just subject to change but characterized by change. This is the problem of educating specifically for change.

Dr. Lee H. Johnson, dean of the school of engineering at Tulane, discussed this recently and noted the vast difference between engineering school education today and that of two or even one decade ago.

"Of course engineering is a field that epitomizes change," Dean Johnson said, "and our job is to try to produce young engineers who will not become obsolete, or at least not so quickly."

Twenty-five years ago the young engineering graduate had been through a course of study that was specific, detailed and narrow, Dean Johnson said. He was well prepared to do something specific to perform services which were immediately useful.

However, the specific skills given engineering students started becoming obsolete so quickly that an entirely new approach was needed.

"Engineering education today is much broader in nature," Dean Johnson said. "It is concerned with the master applications of basic principles and with problems that are broad in scope, the emphasis has shifted from the specialized and practical to the general which can be adapted to the practical."

"If the student is well enough grounded in these basic principles, he can apply them to new

situations, new techniques, as they are developed.

"Basic principles do not become obsolete."

Rene Dubos of the Rockefeller Institute for Medical Research made a statement not long ago which points up the increasing importance of higher education in our changing world. He said:

"The persons most likely to become creative and to act as leaders are not those who enter life with the largest amount of detailed, specialized information.

"Rather, they are those who have enough theoretical knowledge, critical judgement, and discipline of learning to adapt rapidly to the new situations and problems which constantly arise in the modern world."

Integration Won't
Wreck Auburn,
Trustees Vow

AUBURN, Ala. (UPI) — The Auburn board of trustees has announced it will not permit court-ordered integration to interfere with the education program of the land-grant college.

The board released a lengthy statement after a closed-door meeting with Gov. George Wallace Tuesday.

The statement said the university will continue to fight in court the order to admit Harold A. Franklin, a Negro, to the graduate school at the beginning of the winter quarter, Jan. 2.

Bishop Leven
Wins Support
From Council

VATICAN CITY (UPI)—Bishop Stephan A. Leven of San Antonio, Tex., won enthusiastic applause Tuesday from the Ecumenical Council when he assailed conservative speakers for "lecturing" bishops on the dangers of improving Catholic relations with other Christians.

In what appeared to be a reference to generally-conservative

It said that even if Franklin is enrolled under the present court order enjoining officials from denying him admission, the trustees will continue to appeal.

The statement said Franklin "is not qualified under the requirements of the university. If the order is allowed to stand the court has effectively destroyed the conditions for admission established by the university in operating in accordance with the standards of other similar institutions."

"It is the firm opinion of the board of trustees of Auburn University that the order in question is contrary to the facts presented to the federal court and not allow any single applicant pose of our institution. If the injunction remains in force as of Jan. 2, 1964, the board will have no other alternative than to allow the order of the court to be carried out to such time as the appeal is finally acted upon."

to applicable federal law. The board will continue to utilize all available legal means to prevent the admission of any student who is not qualified to attend to disrupt the program and pursue the university.

"However, the board of trustees of Auburn University will

Italian churchmen, the 58-year-old Oklahoma native said those bishops who support Catholic dialogue with other Christians are "not the prelates who have lost their people to communism."

The American said discussion of a document suggesting ways in which Roman Catholics can participate in the Christian unity movement shows "how badly we need dialogue, not only among Christians but among its own members. He said some bishops had been doing too much "preaching and lecturing" in the Ecumenical Council.

Other speakers addressed themselves to practical ways of working toward Christian unity which are outlined in the document under discussion.

India's Valerian Cardinal Gracias of Bombay said the chapter did not sufficiently stress action for the poor, a field in which he felt collaboration among Christians could contribute greatly to social improvement.

Raul Cardinal Silva Henriquez, archbishop of Santiago, Chile, said pastoral activity is the key to the unity movement.

The ecumenical fathers had scheduled discussions on a suggestion to give the layman a more active role in the Roman Catholic Church as one way to help bring about Christian unity.

The suggestion and other practical steps to encourage Christian unity, the long range aim of the Ecumenical Council as set up by the late Pope John XXIII, were contained in chapter two of a document entitled "On Ecumenism."

LOVELIES CO-STAR

HOLLYWOOD (UPI) — Three of Hollywood's prettiest young actresses, Carol Lynley, Ann-Margret and Pamela Tiffin, co-star in "The Pleasure Seekers" at 20th Century Fox.

Paul Johnson
Gives Theme
Of Inauguration

JACKSON (UPI)—The gubernatorial inauguration of Lt. Gov. Paul B. Johnson will be centered around the theme "Stand up for Mississippi." It was revealed Wednesday.

Johnson will be inaugurated in ceremonies here Jan. 21 as the state's 54th governor.

The theme will be in keeping with Johnson's campaign slogan "Stand up for Johnson," referring to his physical stand against federal troops at the

University of Mississippi in 1962 at the court-ordered entrance of Negro James Meredith.

Johnson has named Henry Hederman, Jackson printing company executive, general chairman of the inaugural committee. Over-all chairman will be Shelby Rogers, who was one of Johnson's campaign advisers.

The parade committee will be headed by Ray Canada of Edwards, a member of the State Game and Fish Commission, and Millard Bush Jr., also a member of Johnson's campaign advisory corps.

Johnson's staff of civilian colonels, dressed in dark business suits with hats, will be under

the leadership of Harvey West of Hattiesburg.

The new governor will receive the oath of office as administered by Justice Percy M. Lee of Forest at noon on the south steps of new Capitol.

Prior to the swearing-in ceremony, the inaugural parade will begin the day at 9:30. The traditional governor's ball will climax the events with the new governor and the new first lady, the former Dorothy Powers of Red Banks, leading the grand march.

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